

Fig 1

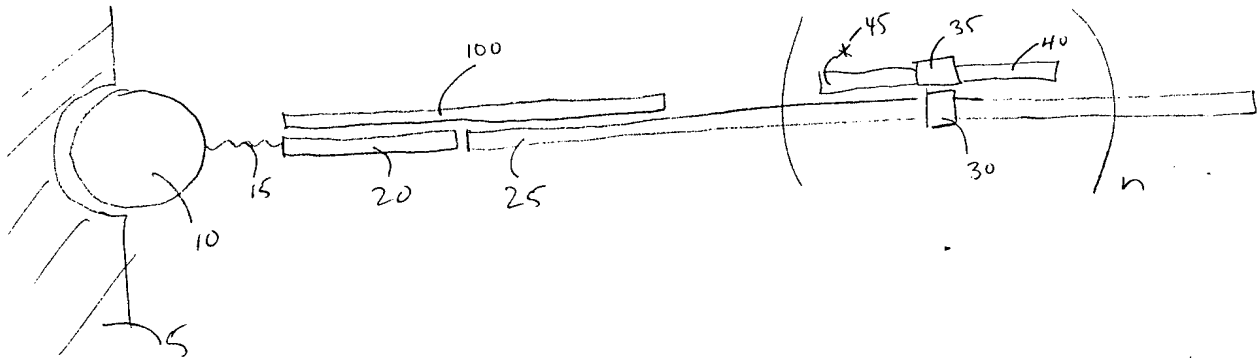
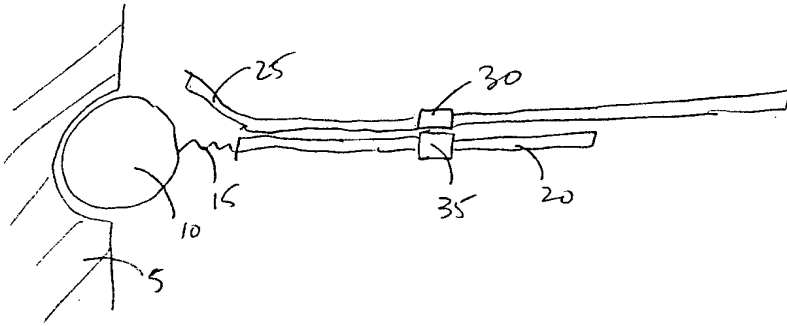
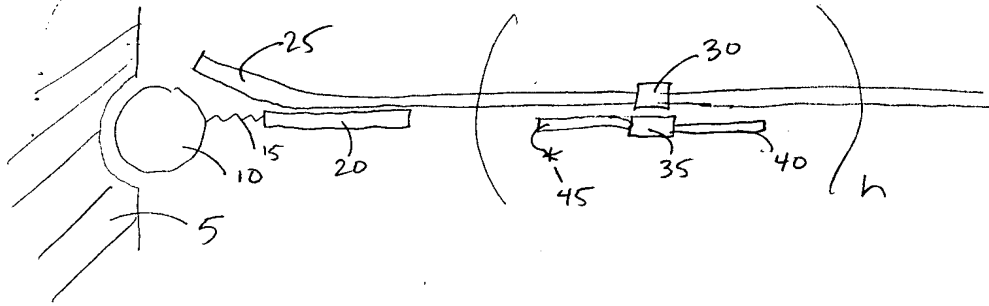


Fig 1 cont

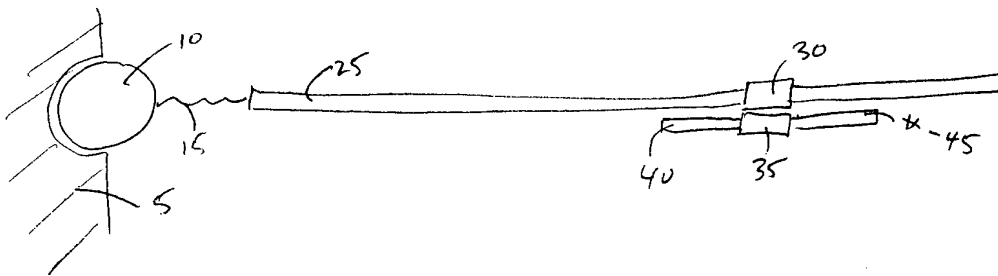
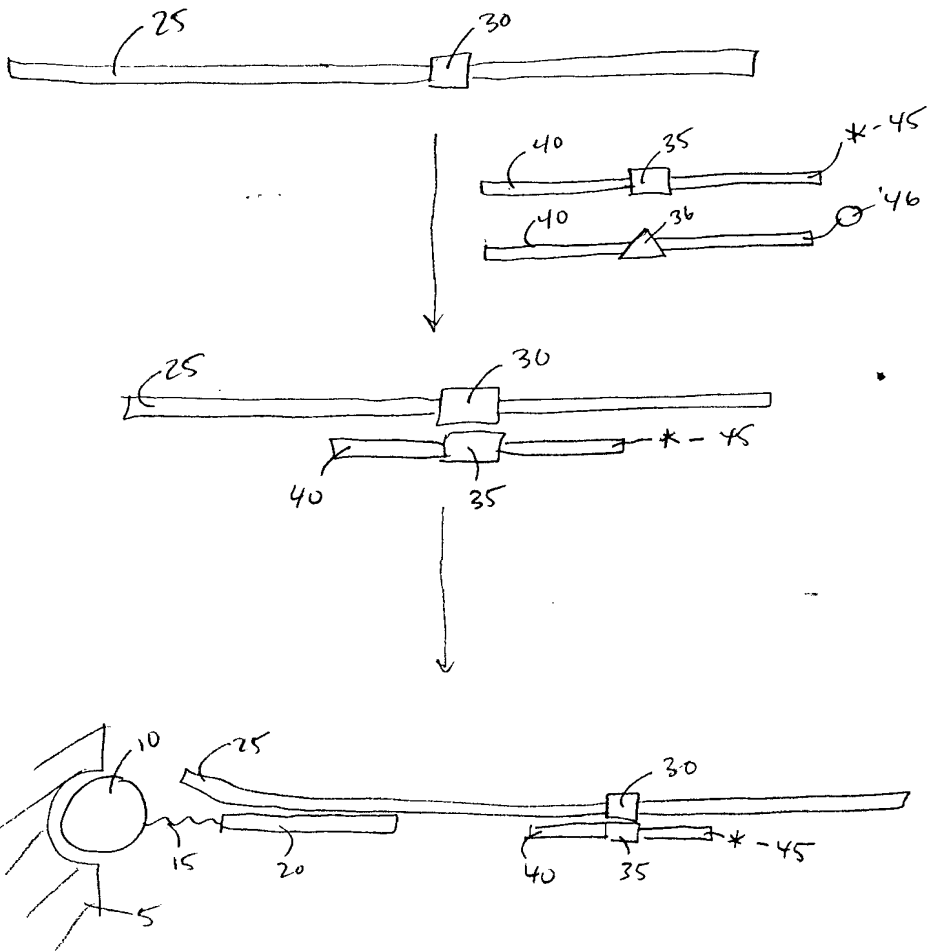
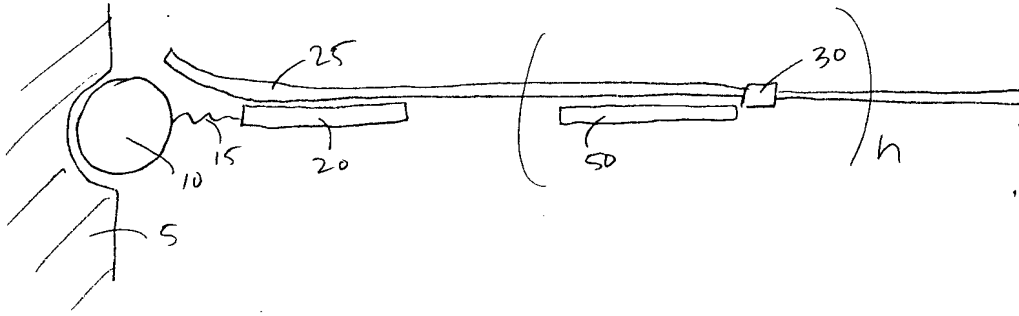
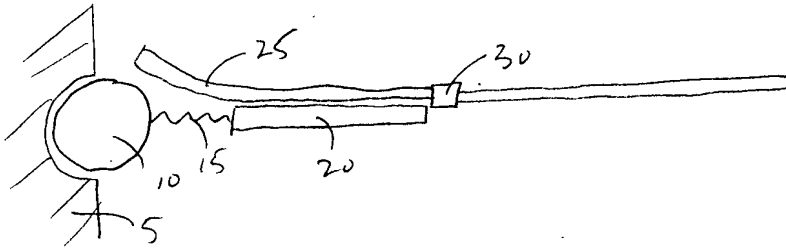


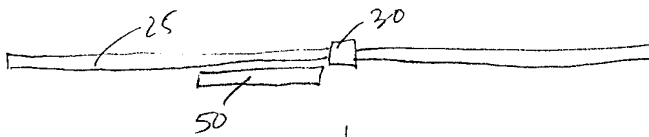
Fig (2)



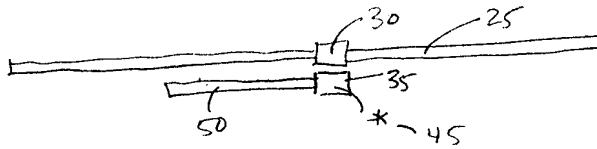
A



B

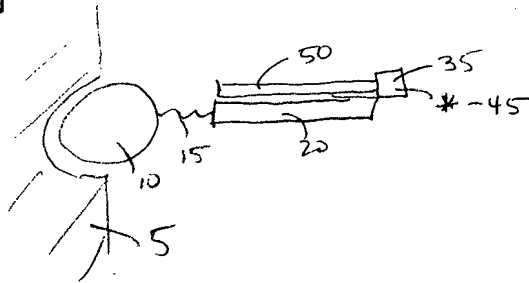


labelled NTP enzyme



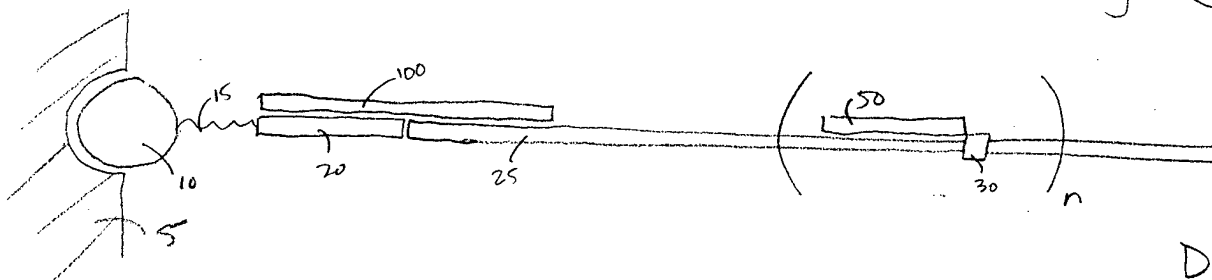
optional removal of unextended primers

denature, add to array



C

Fig: (2)



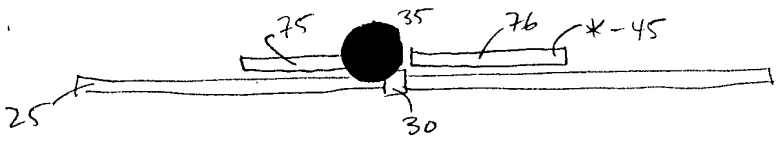
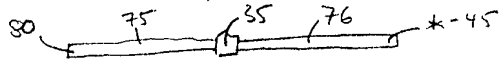
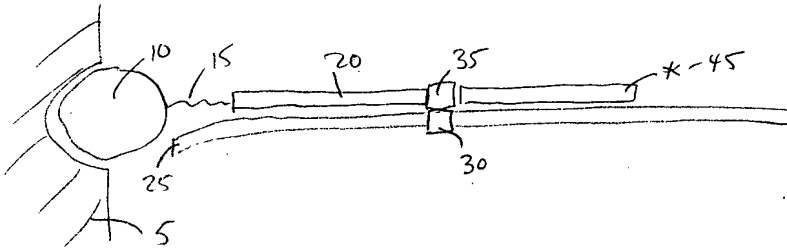
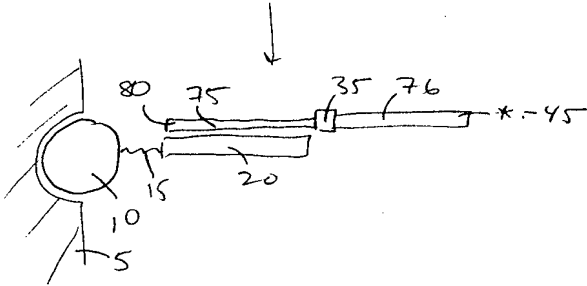


Fig 3

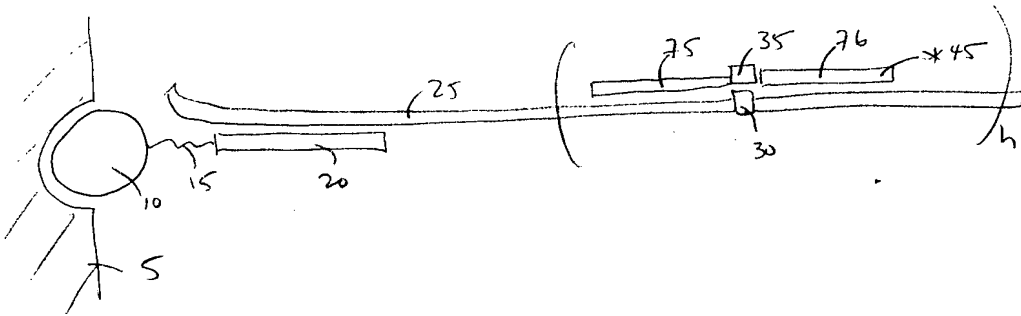
ligase



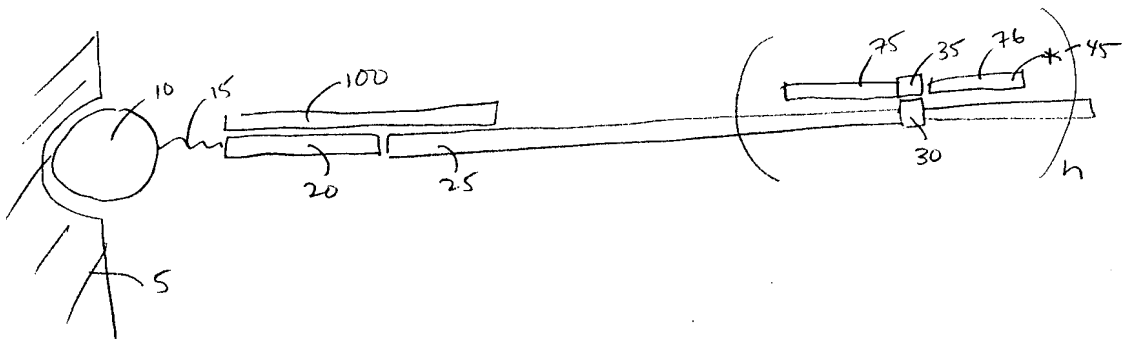
A



B

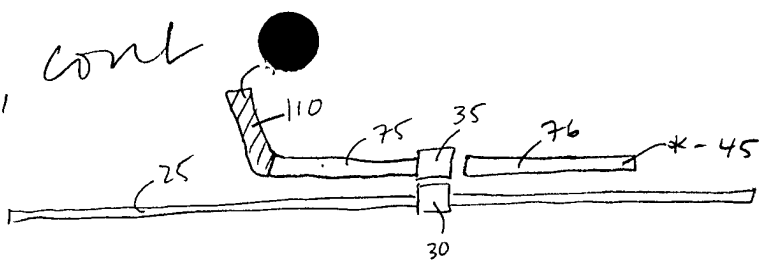


C

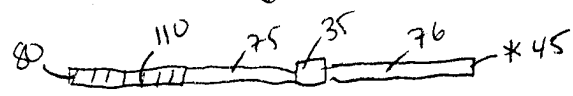


D

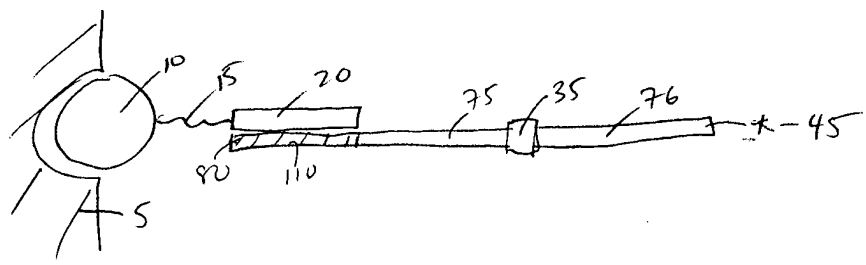
fig. 3, cont



ligate



to array



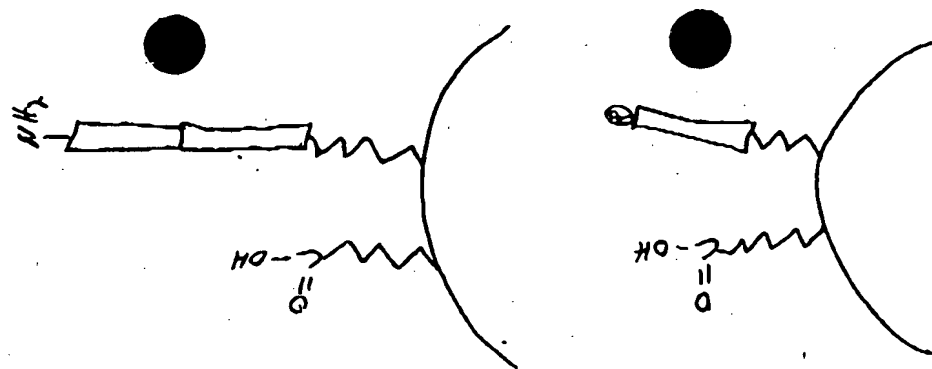
E

~~SPOLA~~

SPOLA Assay

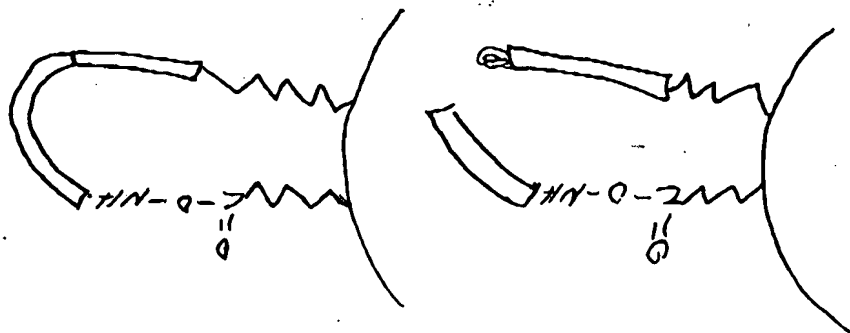
Fig ~~XXE~~

(4)

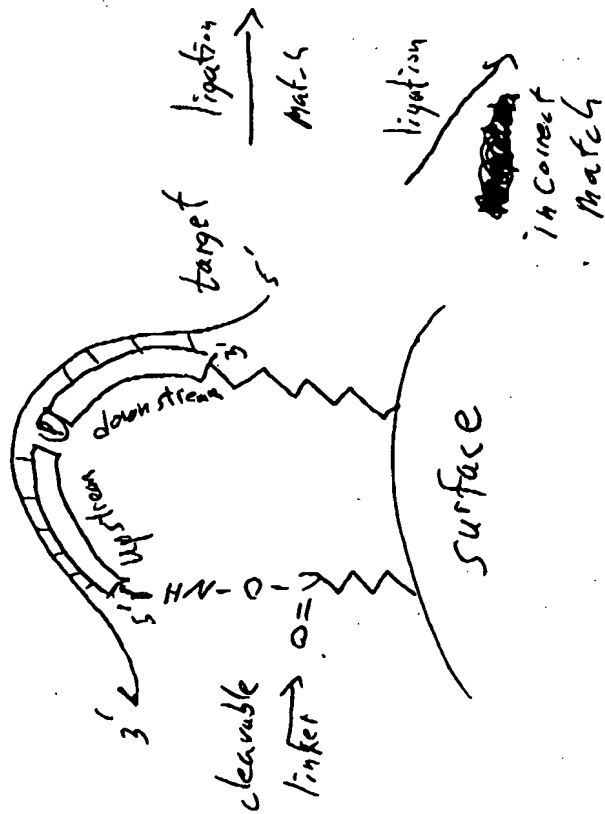


cleavage

cleavage



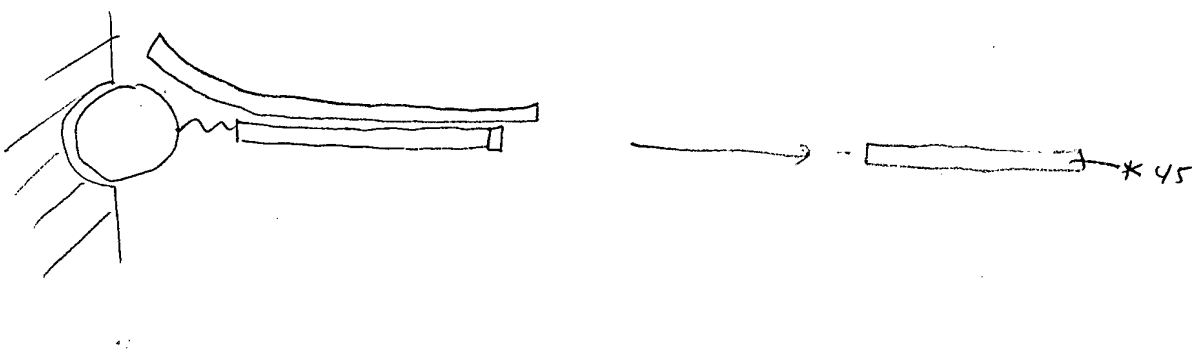
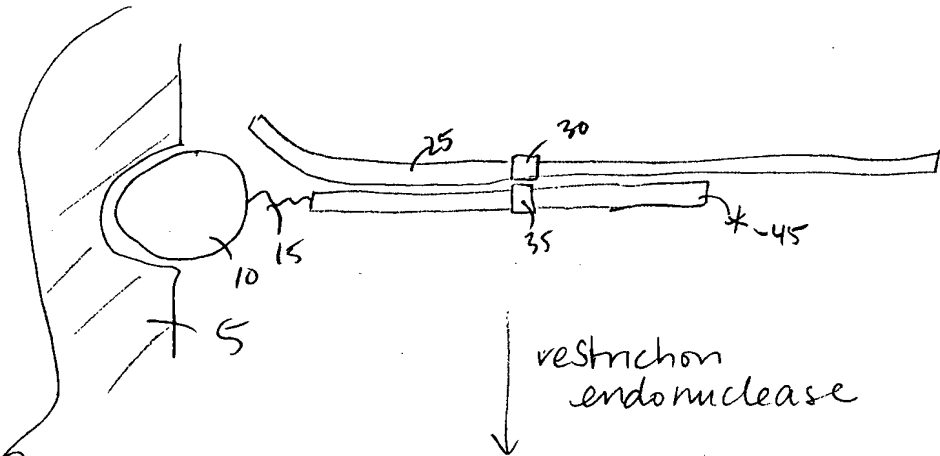
B.



A.

Fig 5

A



B

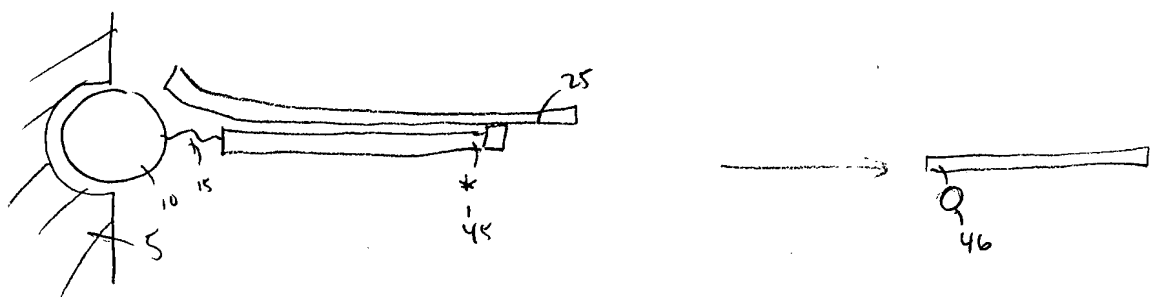
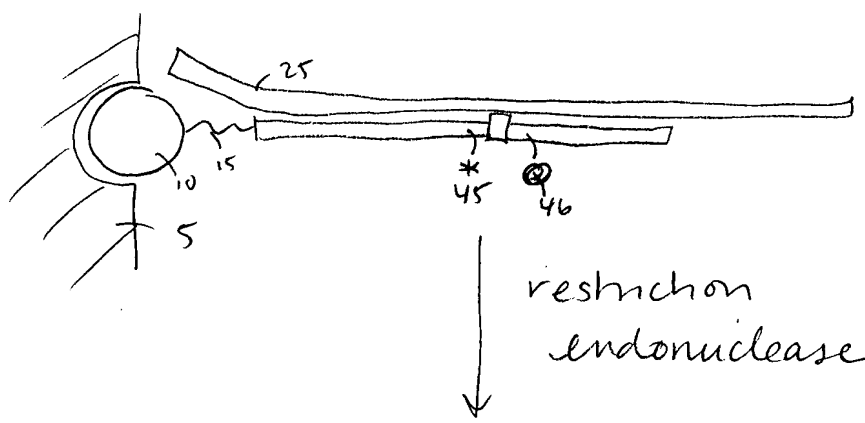
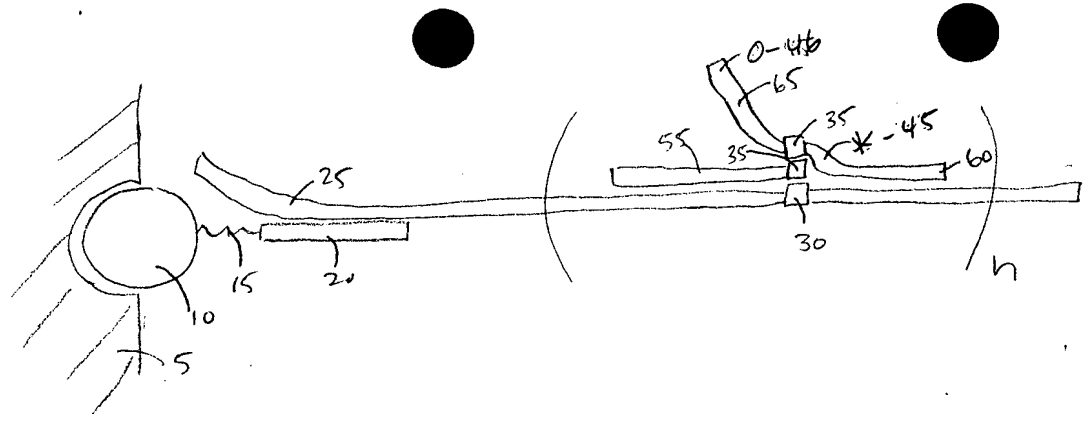
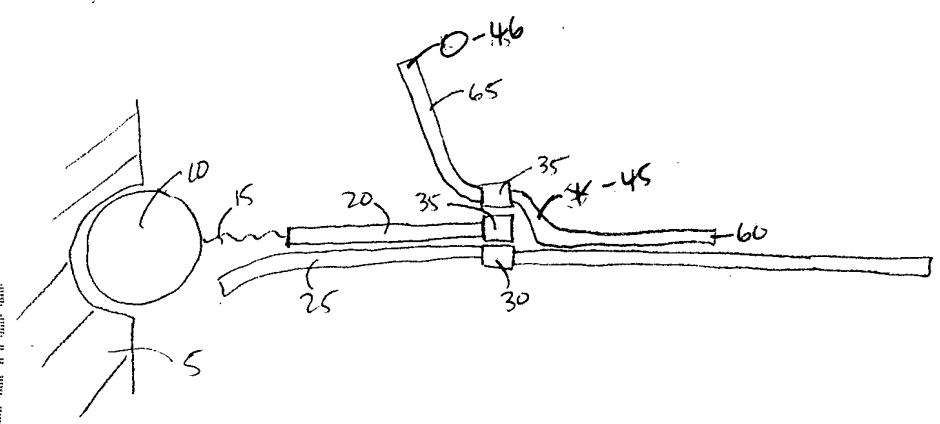


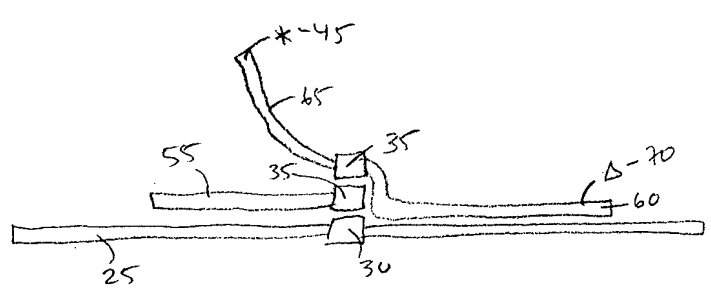
Fig. 6



A

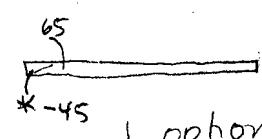


B



C

enzyme



optional remove uncleaved signal probe, add to array

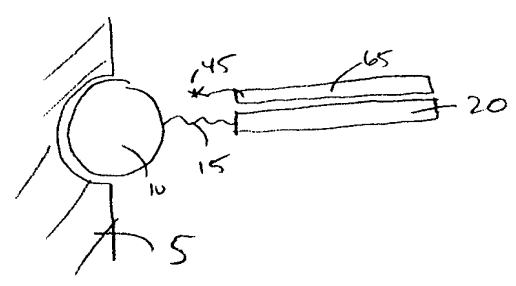
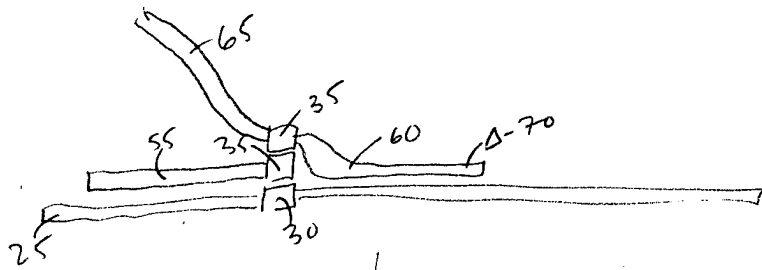
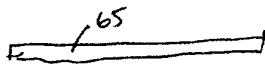


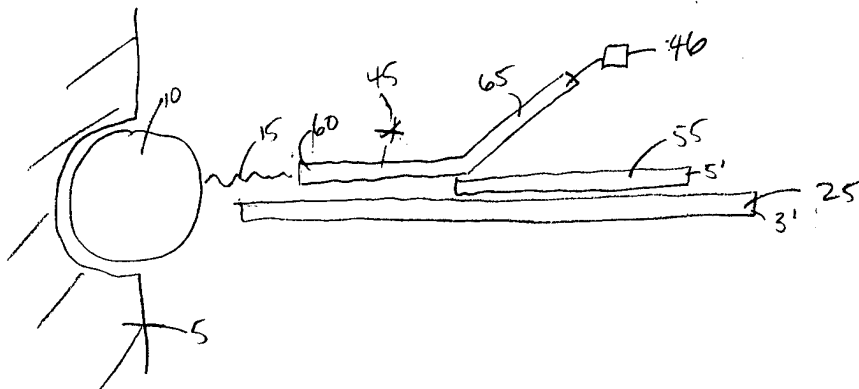
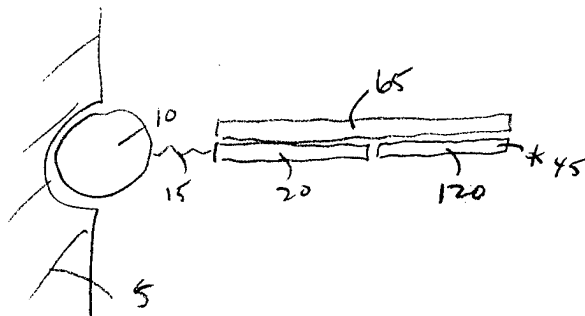
Fig 26



enzyme



optional removal of
unreacted primers,
optional ligase



D

6E-A

Fig 7

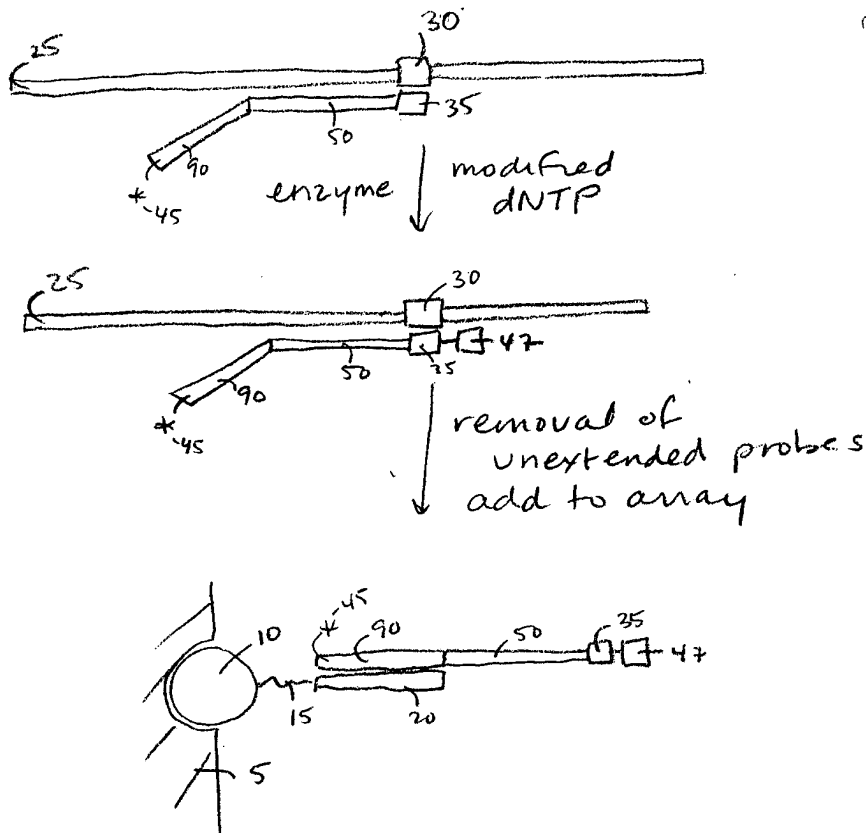
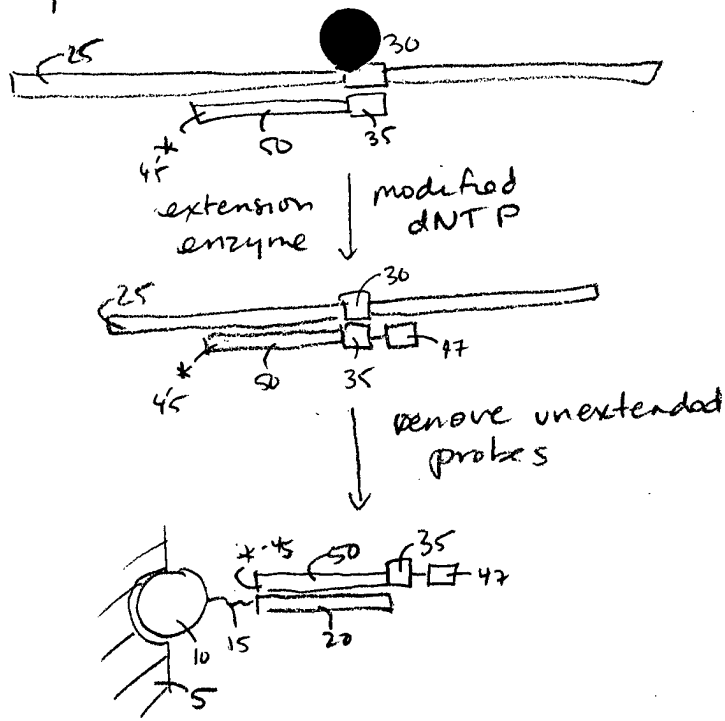


Fig 7

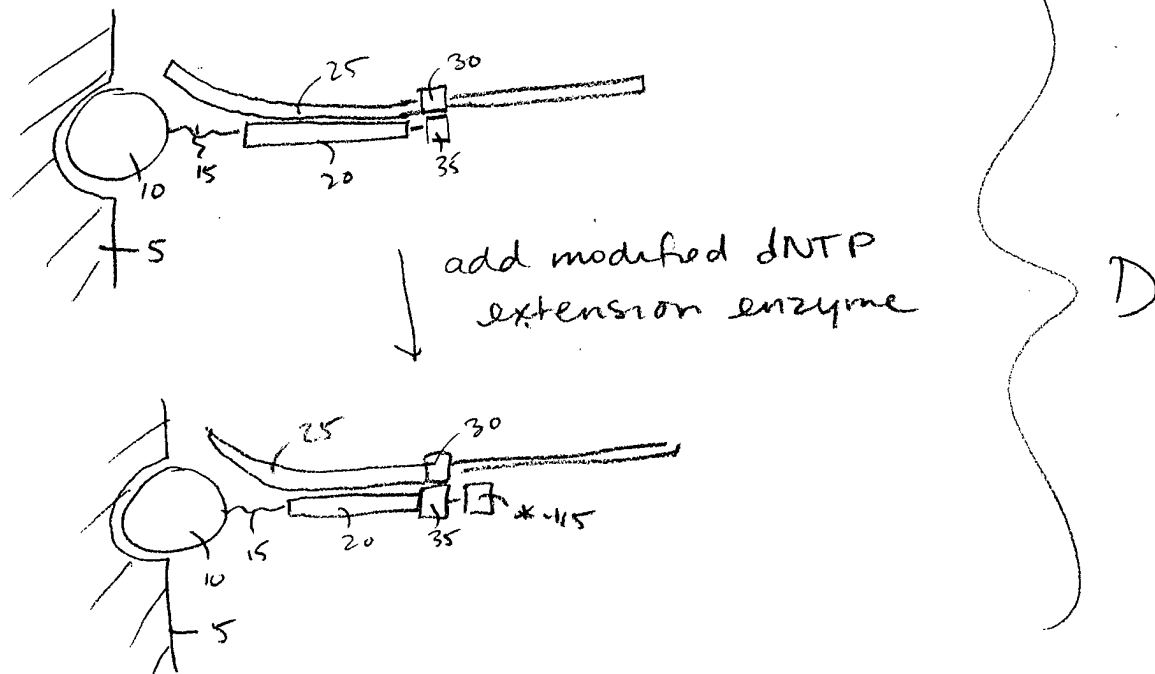
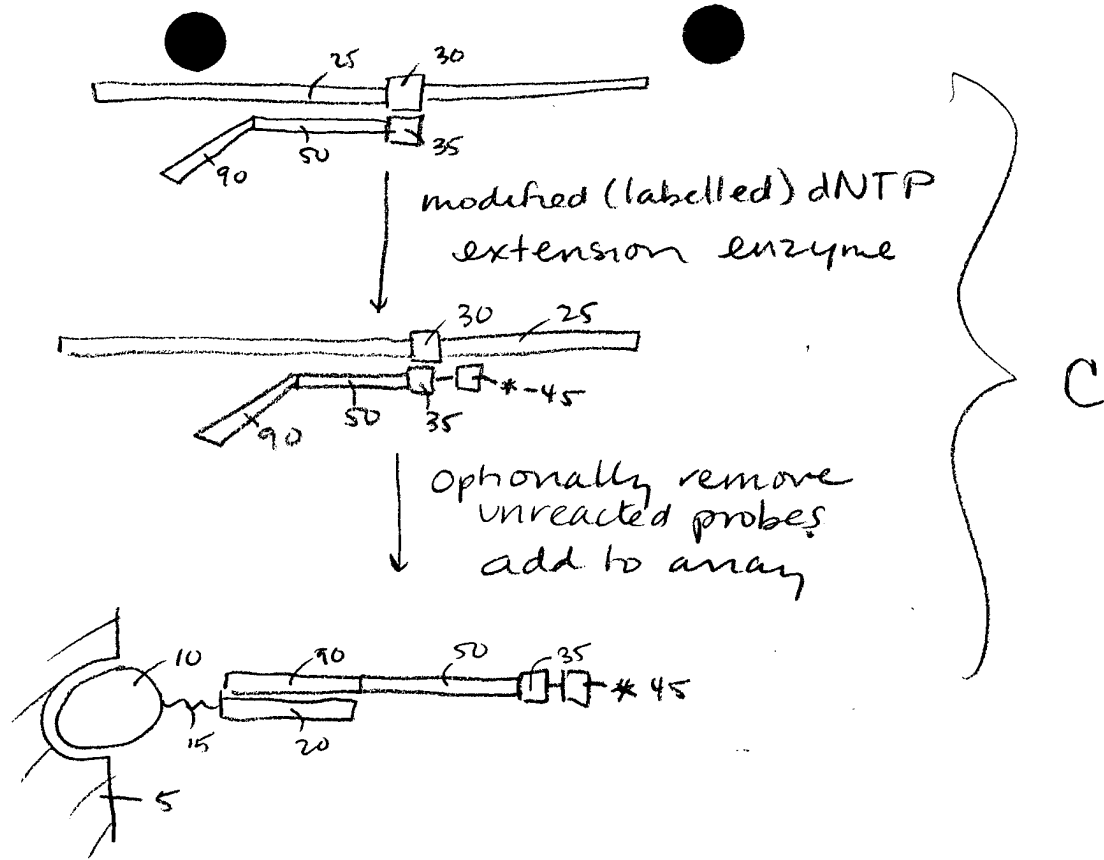
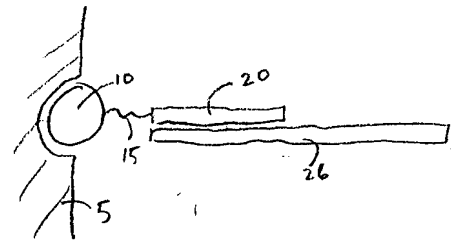
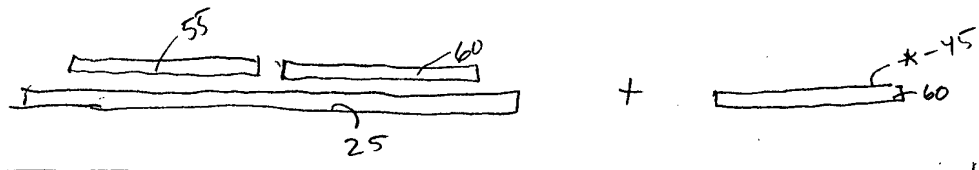
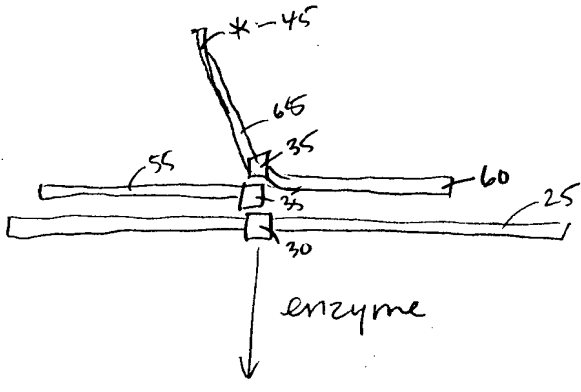
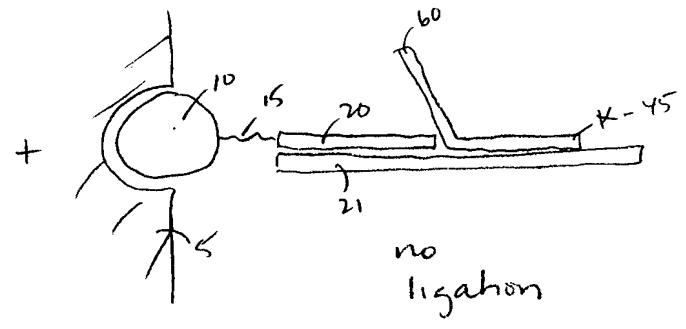
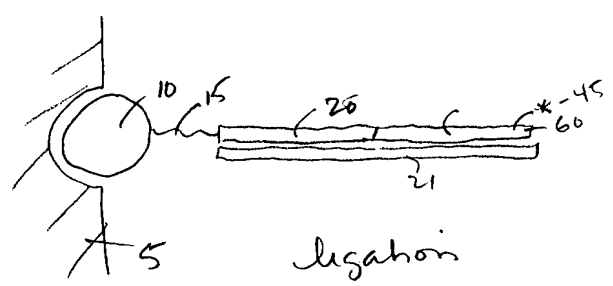
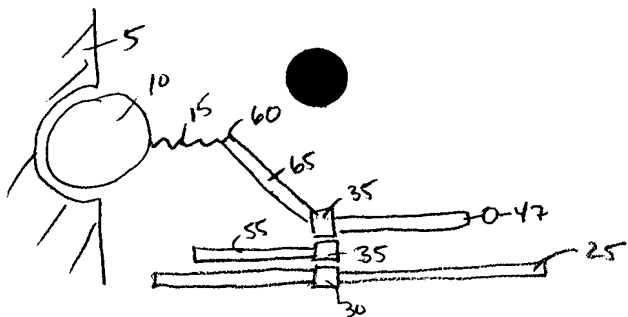


Fig 8

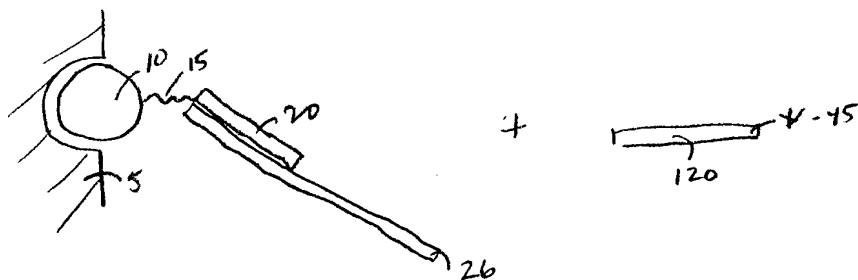


+
ligase





8B



ligation

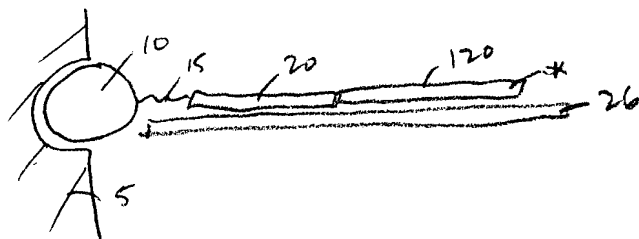
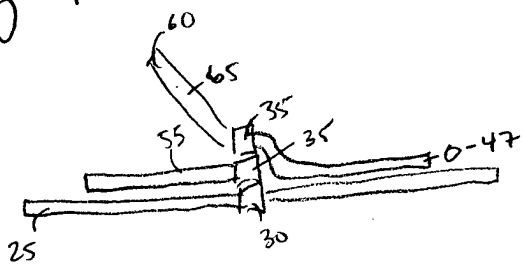
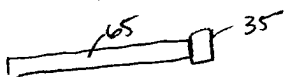


Fig 9



cleavage

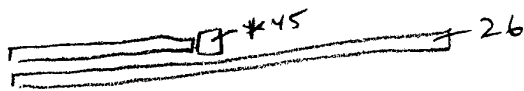


solid phase

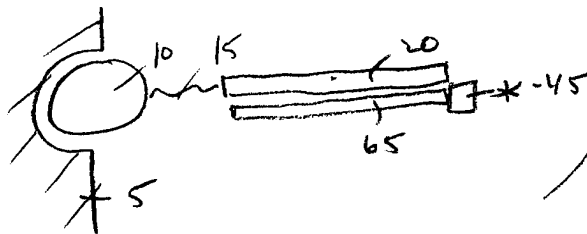
solution phase



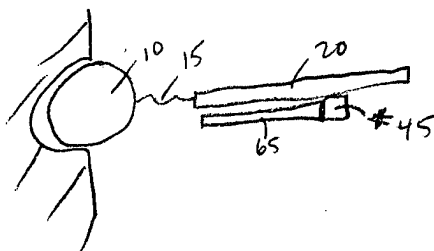
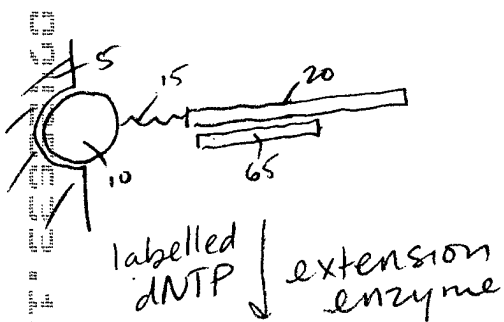
labelled dNTP extension enzyme

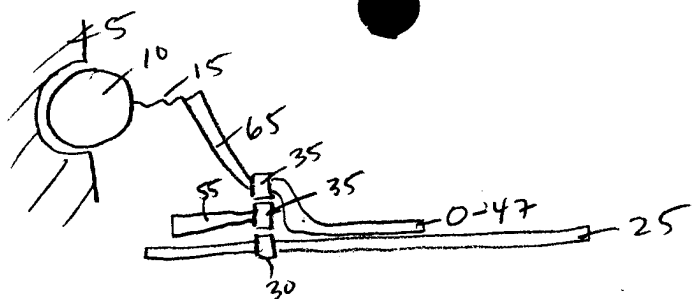


optional removal of unextended primers add to array

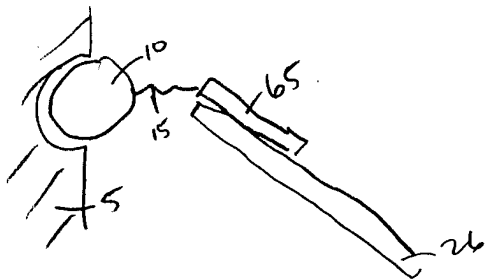


A





↓ cleavage
add target template



labelled
dNTP

↓ extension
enzyme

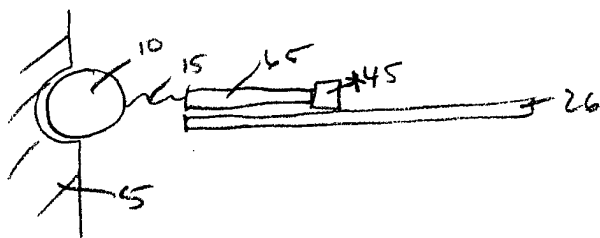
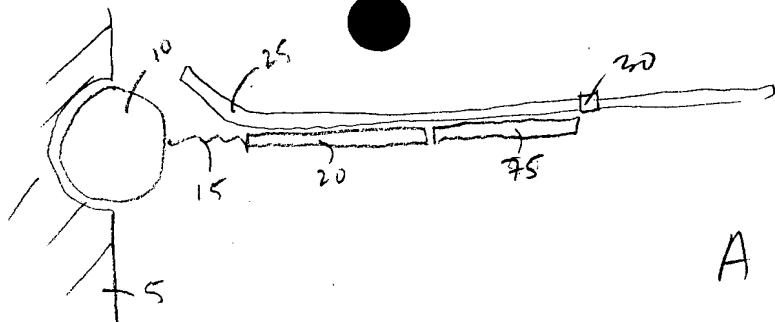


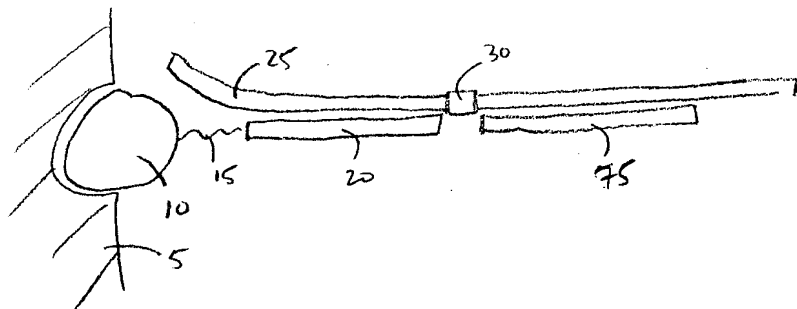
Fig 9

B

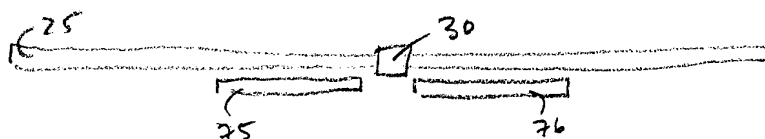


A

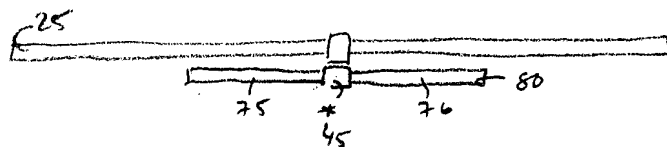
Fig 10



B



labeled dNTP
extension enzyme
ligase



optional
removal of
unextended
primers

denature
add to array

